PTO/SB/05 (08-03)
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## UTILITY PATENT APPLICATION **TRANSMITTAL**

Attorney Docket No. Vikram Joshi First Inventor Stacked Memory Cell Having Diffusion Barriers Title es Mail I ahel No

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	APPLICATION ELEM	MENTS	,	ADDRESS	TO:	Commissioner ( P.O. Box 1450 Alexandria VA 2	or Patents	
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- Brie	ief Summary of the Invention ief Description of the Drawings ( if the etailed Description	īled)		(wh	en there is	3(b) Statement an assignee)	Attorney	
Cla	laim(s) bstract of the Disclosure			11. Eng	glish Trans	lation Docume	ent (if applicable)	1
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6. Appl	· · · · · · · · · · · · · · · · · ·	FR 1.76 (5 pag	jes)				minany amendment.	
	TINUING APPLICATION, check application Data Sheet. See 37 C	opropriate box, a	and supply	y the requisite in	nformation t	oelow and III a F	memmary amount	
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	int/Type) Phyllis K. Woo		n	Registration No	o. (Attorney/	Agent)  Date	38,663 September 19, 2003	

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FEE TRANSMITTAL for FY 2003			. Complete if Known						
			Application Number						
	Filing I	Filing Date			Herewith				
	First N	First Named Inventor			Vikram Joshi				
Effective 01/01/2003. Patent fees are subject to annual revision.			Examiner Name			Unknown			
Applicant claims small entity status. See 37 CFR 1.27			Art Unit Unknown						
TOTAL AMOU	NT OF PAYMENT (\$) 960	Attorno	Attorney Docket No. 13176.426D1US (.456)						
ME	THOD OF PAYMENT (check all that apply)					ALCULATION (continued)			
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Deposit		Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid		
Account	50-1848	1051	130	2051	65	Surcharge - late filing fee or oath			
Number		1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet.			
Deposit Account	Patton Boggs LLP	1053	130	1053	130	Non-English specification	<u> </u>		
Name	r allon boggs cer	1812	2,520	1812	2,520	For filing a request for reexamination	<b>  </b>		
	ithorized to: (check all that apply)	1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action			
□ Charge any ad	ndicated below	1805	1,840*	1805	1,840*	Examiner action			
	ndicated below, except for the filing fee fied deposit account.	1251	110	2251	55 205	Extension for reply within first month	<del></del>		
	FEE CALCULATION	1252	410	2252	205	Extension for reply within second month	<u> </u>		
1. BASIC,F	LING FEE	1253	930	2253	465	Extension for reply within third month			
	Small Entity see Fee Fee Description	1254	1,450	2254	725	Extension for reply within fourth month			
	code (\$) Fee Paid	1255	1,970	2255	985	Extension for reply within fifth month			
1001 750 2	001 375 Utility filing fee 750	1401	320	2401	160	Notice of Appeal	<b>  </b>		
	002 165 Design filing fee	1402 1403	320 280	2402 2403	160 140	Filing a brief in support of an appeal	<b></b>		
	003 260 Plant filing fee 004 375 Reissue filing fee	1451	1,510	1451	1,510	Request for oral hearing Petition to institute a public use			
1005 160 2	005 80 Provisional filling fee	1452	110	2452	55	proceeding  Petition to revive – unavoidable	<del>  </del>		
•	SUBTOTAL (1) (\$) 750	1453	1,300	2453	650	Petition to revive – unintentional			
	30BTOTAL (1) (4) 730	1501	1,300	2501	650	Utility issue fee (or reissue)			
2. EXTRA CLA	IM FEES FOR UTILITY AND REISSUE	1502	470	2502	235	Design issue fee			
	Extra Fee from Fee Claims below Paid	1503	630	2503	315	Plant issue fee			
Total Claims 62	Claims below Paid -55 ** = 7 X 18 = 126	1460	130	1460	130	Petitions to the Commissioner			
Independent		1807	50	1807	50	Processing fee under 37 CFR 1.17 (q)			
Claims 4	-3" = 1 X 84 = 84	1806	180	1806	180	Submission of Information Disclosure Stmt			
Multiple Dependent Large Entity	X	8021	40	8021	40	Recording each patent assignment per property (times number of properties)			
Fee Fee Code (\$)	Fee Fee <u>Fee Description</u> Code (\$)	1809	750	2809	375	Filing a submission after final rejection (37 CFR § 1.129(a))			
1202 18	2202 9 Claims in excess of 20	1810	750	2810	375	For each additional invention to be examined (37 CFR § 1.129(b))			
1201 84 1203 280	2201 42 Independent claims in excess of 3 2203 140 Multiple dependent claim, if not paid	4504	750	2004	275	•	$\vdash$		
	** Reissue independent claims over	1801	750	2801		Request for Continued Examination (RCE)			
1204 84	2204 42 original patent ** Paissue claims in excess of 20 an	1802 d	900	1802	, 900	Request for expedited examination of a design application			
1205 18	over original patent		ee (speci	fy)					
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**or number previ	ously paid, if greater; For Reissues, see above					aid SUBTOTAL (3) (\$) 0			
SUBMITTED BY						Complete (if applicable)			
Name (Print/Type) Phyllis K. Wood / Registration No. (Attorney/Agent)			38,	,663		Telephone 303-894-6118			
Signature	Hallow All Mary					Date September 19, 2003			
<u> </u>									

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## Certificate of Mailing under 37 CFR 1.10

Application Number	Applied For
Filing Date	Herewith
First Named Inventor	Vikram Joshi
Examiner Name	Unknown
Attorney Docket Numb r	13176.426D1US (.456)

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage in an Express Mail envelope bearing label number: EL977170345US addressed to:

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1	Litility Patent Application Transmittal Form PTO/SB/05 (1 page)			
2.	Fee Transmittal Form PTO/SB/17 (2 for a total of 2 pages)			
3.	Preliminary Amendment (7 pages)			
4.	Specification (26 pages)			
5.	Claims (6 pages - 55 claims)			
6.	Abstract (1 page)			
7.	Informal Drawings (7 sheets – 15 figures			
8.	Formal Drawings (7 sheets - 15 figures)			
9.	Combined Declaration And Power Of Attorney (3 pages)			
10.	Application Data Sheet (5 pages)			
11.	IDS Transmittal (1 page)			
12.	IDS Forms PTO/SB/08A and 08B (2 pages)			
13.	Return Receipt Postcard			